

FISH & RICHARDSON P.C.

225 Franklin Street
Boston, Massachusetts
02110-2804

Telephone
617 542-5070

Facsimile
617 542-8906

Web Site
www.fr.com

Date September 25, 2001

To Examiner Michael D. Pak
Commissioner of Patents
Washington, D.C. 20231

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From Janis K. Fraser, Ph.D., J.D.

Re Applicant: Gino V. Segre et al.

Serial No.: 09/199,874

Filed: November 24, 1998

Title: PARATHYROID HORMONE RECEPTOR AND DNA ENCODING SAME

Art Unit: 1646

Attorney Docket No.: 00786-071005

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Message

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Attorney's Docket No.: 00786-071005 / MGH-0459.4 Segre DIV3

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gino V. Segre et al. Art Unit : 1646
Serial No. : 09/199,874 Examiner : M. Pak
Filed : November 24, 1998
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SUPPLEMENTAL RESPONSE

Further to applicants' response to the action mailed May 7, 2001, please consider the following amendments and remarks.

In the claims:

Please amend claims 40 to 43 as follows:

40. A method for identifying a compound that competes with a parathyroid hormone for binding to a parathyroid hormone receptor, the method comprising

(a) providing a polypeptide that: (i) comprises at least 6 amino acids and less than the complete amino acid sequence of a parathyroid hormone receptor, and (ii) binds to parathyroid hormone;

(b) contacting the polypeptide with a parathyroid hormone in the presence of a candidate

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02 FC:102

(c) comparing the level of binding of the polypeptide to the parathyroid hormone in the presence of the candidate compound with the level of binding of the polypeptide to the parathyroid hormone in the absence of the candidate compound, wherein a lower level of binding in the presence of the candidate compound than in its absence indicates that the candidate compound competes with parathyroid hormone for binding to the receptor.

CERTIFICATE OF TRANSMISSION BY FACSIMILE

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